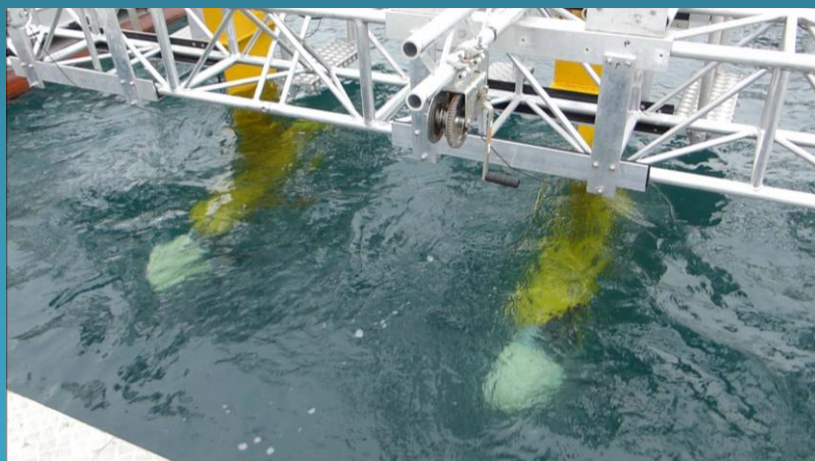


Tandem Tidal Turbine Phase 2

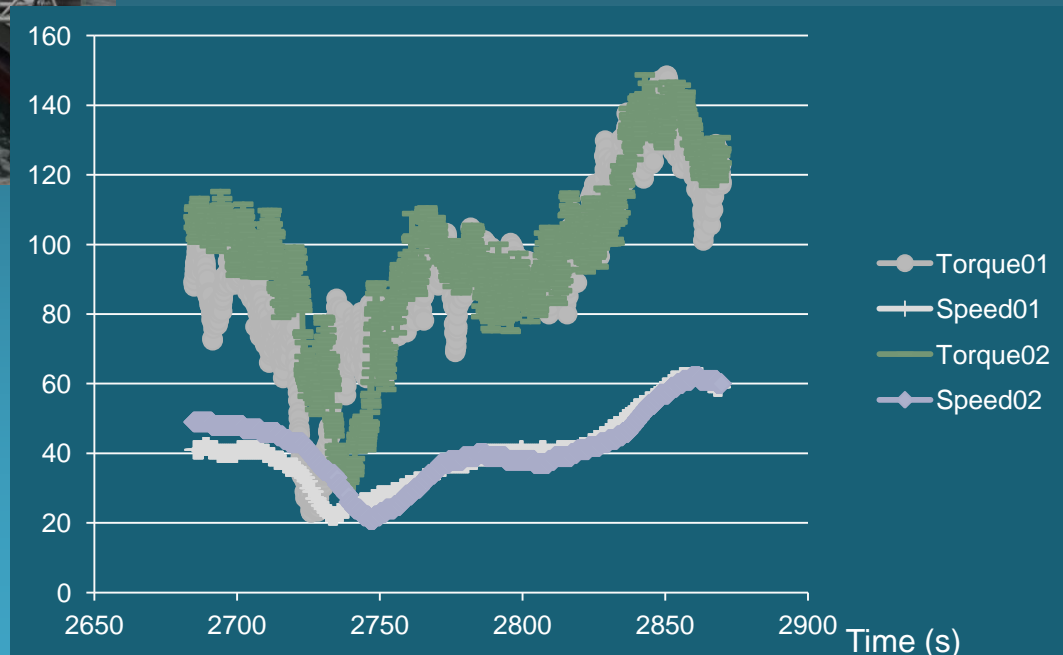


Gap in knowledge



Point ADV measurements show large variations in flow speeds and resulting turbine performance over time

Flow variations affect efficiency of turbine and require full quantification



Objectives

- Tidal flow characterisation
- Numerical vs. Measured performance
- Wake mapping

Major benefits

- Improved confidence in power prediction by:
 - More detailed resource characterisation
 - Verified numerical models
- More awareness of Strangford Test Facility
- Promotion of NI tidal industry

